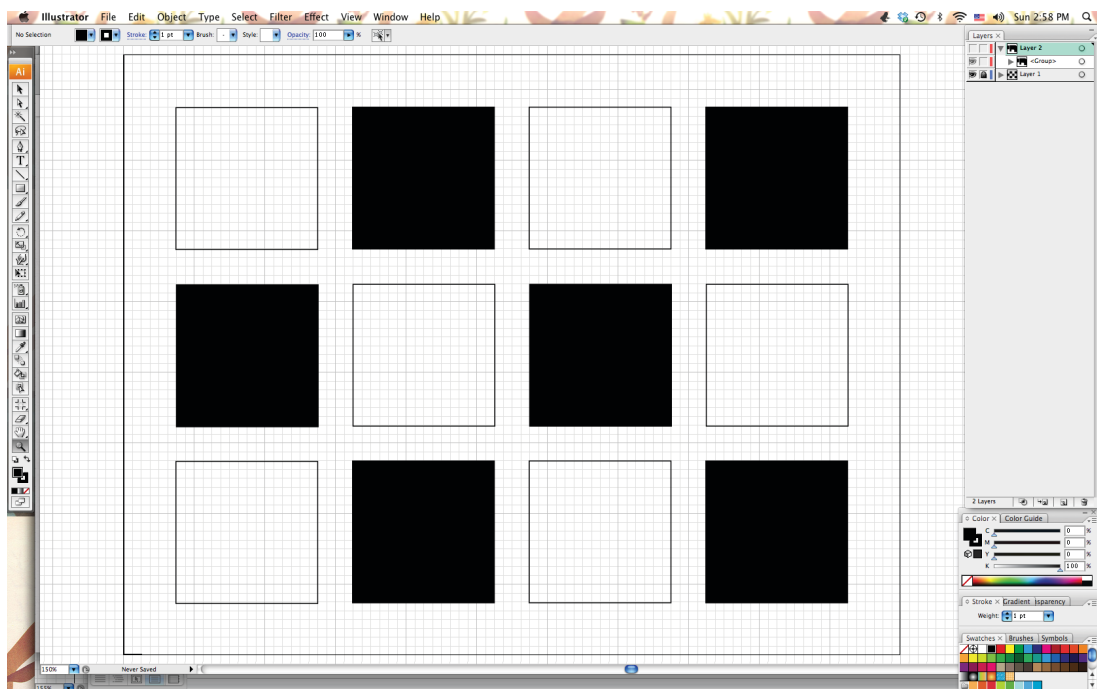


Positive Negative Type

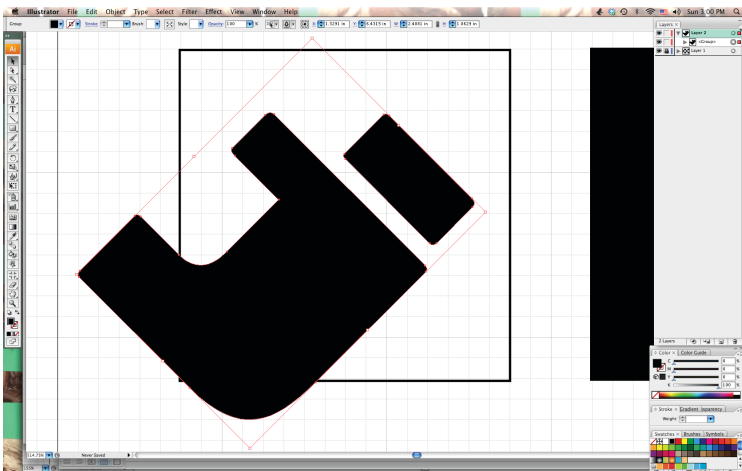
Part one:

1. File > New Document > size = letter, vertical orientation
2. Press command + " to get a grid, then press shift + command + " to turn on snap to grid.
3. Use the Rectangle Tool (M) to create a square that is 16x16 grid squares big.
4. With your square selected, click the red dash at the bottom of the tool box so that there is no fill color. The square should only be a black out line.
5. Next you will duplicate the square. Using the Selection Tool (V) select the square you just created. While it is selected roll the mouse over the square and press **option**. You will see double arrows, black on top of white. Click the object while still holding down option, drag your mouse then let go. You will then have two identical squares.
6. Using the Selection Tool, click and drag over both squares to select them at the same time. Roll the mouse over one of the squares and press option. Click, drag, let go and you will now have 4 identical squares.
 - * At this point make sure each of your squares is four grid squares apart and in a straight line.
7. Select the entire row and copy them.
8. Repeat until you have 3 rows , **12** squares total.
9. Hold down **shift** and select every other square in a checkerboard pattern.
10. At the bottom of the tool box make the fill color of these squares black by clicking on the little black square.
11. In your layers window (Window > Layers) **lock** the layer that the squares are in by clicking the empty box next to the little eye.

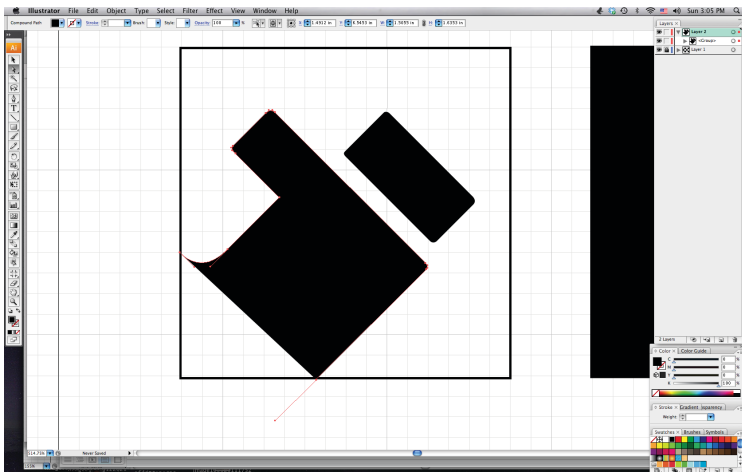


Part two:

1. At the bottom of your layers window click the **new layer** icon to the left of the little trashcan. Make sure this layer is selected by clicking on it in the layers window. It will be aqua when selected.
2. Select the Type Tool (T). Go to Type > Font and select a font you like.
3. Click inside your first square and type a letter, upper or lower case.
4. Click on the Selection Tool and the letter will be selected.
5. Go to Type > Create Outlines. Your letter is now an object.
6. Move your Selection Tool over one of the corners of the object. You will see a diagonal arrow pointing in two directions.
7. Hold down **shift**, click, and drag your object will get bigger. You must hold down shift when changing the size if you do not the letter will warp and not look right.
8. Move the Selection Tool just outside of one of the corners of the selection box. You will see a curved arrow that points in two directions. Click and drag and your object will rotate.
 - * I positioned my object so that some of its anchor points line up with the sides of my square. This will make the next step easier.
9. You will now use the Direct Selection Tool (A). It is the white arrow. This tool will allow you to select and delete the anchor points of your object that are outside the square.
10. Deselect your object by clicking on the background.
11. Take the Direct Selection Tool and roll over an edge of your object that is outside of your square. When you roll over an anchor point that can be selected you will see a small white square appear to the bottom left of the Direct Selection Tool.



12. Click on one anchor point and press delete.
13. Continue selecting anchor points outside the square and delete them.
14. You will now make your object complete again by connecting the end anchor points. Select the Pen Tool (P) in the tool box.



15. Make sure your object is selected. Roll the Pen Tool over one of the end anchor points. You will see a back slash next to the Pen Tool.

16. Click on the anchor point and it will be selected and active. Connect it back to your other end point by clicking on it.

*If your object is in a corner like mine you will need to click on the corner of your square then back to your other end point.

Part 3:

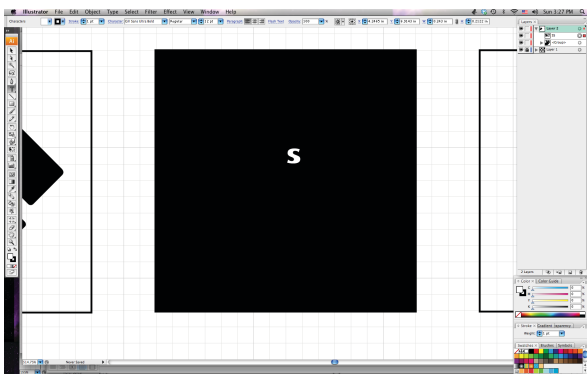
1. You will now create another letter but it will be white and in the next square which should be black.

2. Create a new layer (step 1 of part 2)

3. Click on the Type Tool and select a new font.

4. In the bottom of your tool box make the fill color of the letter you will type white by clicking little white square that is on top of a little black outline square. It is to the left of the curved double ended arrow.

5. Click in your black square and type a new letter. Different from the first one.

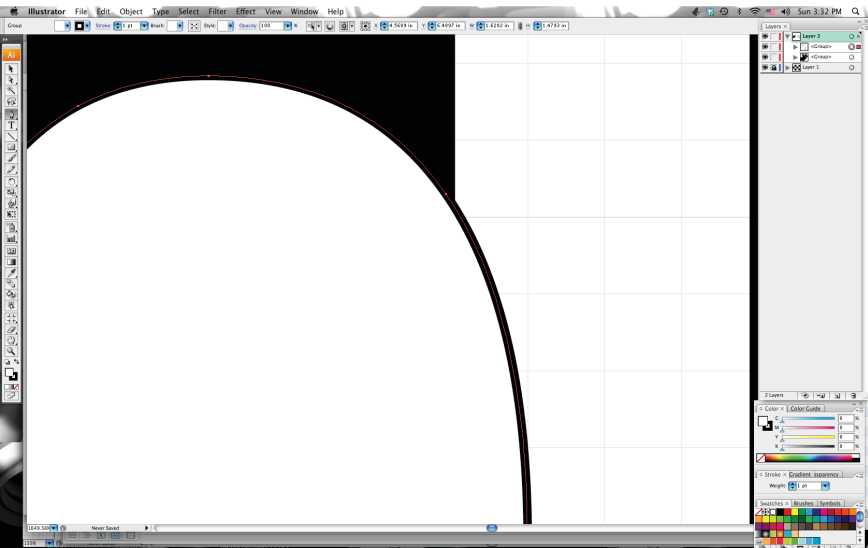
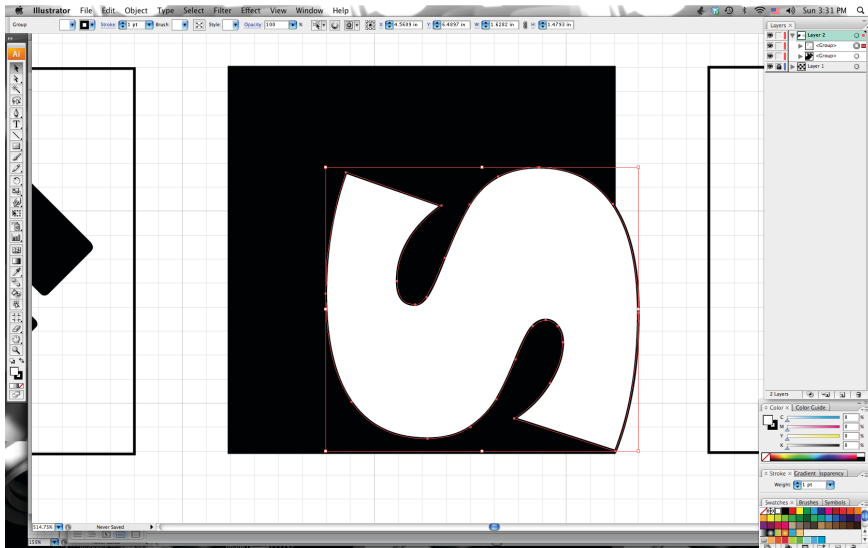


6. Make the letter and object (step 5 part 2)

7. After you enlarge and rotate your object you might not have any anchor points that line up with the edge of your square. You can add a new anchor point using the Pen tool.

8. Roll over the edge of your selected object. If an anchor point can be added on the line a little plus sign will appear next to your Pen Tool. Put the Pen Tool where the edge of your object and the square intersect. Make sure there is a plus sign and click. There should now be an anchor point where you clicked.

9. Use the Direct Selection Tool and delete the anchor points outside of the square. (step 9 part 2)



10. Reconnect your end anchor points with the Pen Tool. (step 15 part 2)

11. Continue this process until all your squares have a different letter in them. Do not repeat the same font.